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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 5

**Complete if Known**

Application Number	10/743,917
Filing Date	24 DECEMBER 2003
First Named Inventor	Johann M. Schleier-Smith
Art Unit	1734
Examiner Name	
Attorney Docket Number	MR1735-83/DIV

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
MM	A	US- 6,216,631	04/17/2001	Wissner-Gross	
MM	B	US- 6,216,538	04/17/2001	Yasuda, et al.	
MM	C	US- 6,055,859	05/02/2000	Kozuka, et al.	
MM	D	US- 6,029,518	02/29/2000	Oeftering	
MM	E	US- 5,951,456	09/14/1999	Scott	
MM	F	US- 5,831,166	11/03/1998	Kozuka, et al.	
MM	G	US- 5,711,888	01/27/1998	Tramper, et al.	
MM	H	US- 5,484,537	01/16/1996	Whitworth	
MM	I	US- 5,164,094	11/17/1992	Stuckart	
MM	J	US- 5,006,266	04/09/1991	Schram	
MM	K	US- 4,998,553	03/12/1991	Schram	
MM	L	US- RE33,524	01/22/1991	Schram	
MM	M	US- 4,957,606	09/18/1990	Juvan	
MM	N	US- 4,879,011	11/07/1989	Schram	
MM	O	US- 4,877,516	10/31/1989	Schram	
MM	P	US- 4,759,775	07/26/1988	Peterson, et al.	
MM	Q	US- 4,743,361	05/10/1988	Schram	
MM	R	US- 4,693,879	09/15/1987	Yoshimura, et al.	
MM	S	US- 4,612,018	09/16/1986	Tsuboi, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
Signature*Michelle Kersch*Date  
Considered

5/18/05

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Sheet	2	of	5
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## U. S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
MAZ	AA	T.B. Benjamin and F. Ursell. The stability of the plane free surface of a liquid in vertical periodic motion. PROC. R. SOC. LONDON, SER A, 225:505-515, 1954.	
MAZ	AB	MC. Cross and P.C. Hohenberg. Pattern formation outside of equilibrium. REV. MOD. PHYS., 65(3):851-1089, 1993.	
MAZ	AC	E.A. Cerda and E. Tirapegui. Faraday's instability in viscous fluids. PHYS. REV. LETT., 78(5):859-862, 1997.	
MAZ	AD	E.A. Cerda and E. Tirapegui. Faraday's instability in viscous fluids. J. FLUID MECH, 368:195-228, 1998.	
MAZ	AE	P. Chen and J. Vinals. Amplitude equation and pattern selection in Faraday waves. PHYS. REV. E, 60(1):559-570, 1999.	
MAZ	AF	W.S. Edwards and S. Fauve. Patterns and quasi-patterns in the Faraday experiment. J. FLUID MECH., 278:123-148, 1994.	
MAZ	AG	J. Fineberg and O. Lioubashevski. Propagating solitary waves in highly dissipative driven fluids. PHYSICA A, 249:10-17, 1998.	
MAZ	AH	Alexander Groisman and Victor Steinberg. Solitary vortex pairs in viscoelastic couette flow. PHYS REV. LETTER., 78(8):1460-1463, 1997.	
MAZ	AI	S. Kumar. Parametrically driven surface waves in viscoelastic liquids. PHYSICS OF FLUIDS, 11(8):1970-1981, 1999.	
MAZ	AJ	S. Fauve, K. Kumar, C. Laroche, D. Beysens, and Y. Garrabos. Parametric instability of a liquid-vapor interface close to the critical point. PHYS. REV. LETT., 68(21):3160-3163, 1992.	

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Sheet 4 of 5	Attorney Docket Number	MR1735-83/DIV	

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
MM	AK	O. Lioubashevski, Y. Hamiel, A. Agnon, Z. Reches, and J. Fineberg, Oscillons and propagating solitary waves in a vertically vibrated colloidal suspension. PHYS. REV. LETT., 83(16):3190-3193, 1999.	
MM	AL	S. Kumar. Mechanism for Faraday instability in viscous liquids. PHYS. REV. E, 62(1):1416-1419, 2000.	
MM	AM	Ron Lifshitz and Dean M. Petrich. Theoretical model for Faraday waves with multiple-frequency forcing. PHYS. REV. LETT., 79(7):1261-1264, 1997.	
MM	AN	F. Melo, P.B. Umbanhowar, and H.L. Swinney. Hexagons, Kinks, and Disorder in Oscillated Granular Layers. PHYS. REV. LETT., 75(21):3838-3841, 1994.	
MM	AO	T. Pritchett and J.K. Kim. A low-cost apparatus for the production of surface wave patterns in a vertically oscillating fluid. AM. J. PHYS., 66(9):830-833, 1998.	
MM	AP	Uri Raviv, Pierre Laurat, and Jacob Klein. Fluidity of water confined to subnanometre films. NATURE, 413:51-54, 2001.	
MM	AQ	P.B. Umbanhowar, F. Melo, and H.L. Swinney. Localized excitations in a vertically vibrated granular layer. NATURE, 382(29):793-796, 1996.	
MM	AR	Chen Weizhong and Wei Ronjue. Primary instabilities in Faraday waves under an arbitrarily periodic excitation. PHYS. REV. E, 57(4):4350-4353, 1998.	
MM	AS	Xinlong Wang, and Ronjue Wei. Oscillatory patterns composed of parametrically excited surface-wave solitons. PHYS. REV. E, 57(2):2405-2410, 1998.	
MM	AT	A. Wernet, C. Wagener, D. Papathanassiou, H.W. Muller, and K. Knorr. Amplitude measurements of Faraday waves. PHYS. REV. E, 63(036305): 1-9, 2001.	

Examiner Signature	<i>[Signature]</i>	Date Considered	5/18/05
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Sheet	5	of	5	Attorney Docket Number	MR1735-83/DIV

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Examiner Signature	<i>Michelle Rowland</i>	Date Considered	5/18/05
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